

CLAIM AMENDMENTS

1. (Currently Amended) A non-adhesive carboxylated latex product surface-treated incorporated with a carboxyl-group blocking agent comprising a non-adhesive metal element crosslinking agent having three or more valences.

2. (Currently Amended) A The non-adhesive carboxylated latex product having a layer treated with a carboxyl-group blocking agent on one or both surfaces of a carboxylated latex product or a carboxylated latex product incorporated with a carboxyl-group blocking agent according to claim 1, wherein the metal element crosslinking agent is an aluminum compound, a titanium compound, a zirconium compound or any combination thereof.

31 3. (Currently Amended) A non-adhesive carboxylated latex product surface-treated having a layer treated with a carboxyl-group blocking agent on the inside surface of a carboxylated latex product or a carboxylated latex product incorporated with a carboxyl-group blocking agent and having a chlorination treatment on the outside surface comprising a non-adhesive organic crosslinking agent for a carboxyl group of the carboxylated latex.

4. (Currently Amended) A The non-adhesive carboxylated latex product according to claim 1 to claim 3, wherein the carboxylated latex is NBR, SBR, CR or MBR non-adhesive organic crosslinking agent for the carboxyl comprises an aziridine compound, an epoxy compound, a blocked isocyanate, an oxazoline compound, a carbodiimido compound, a melamine formaldehyde resin, an ureaformaldehyde resin, an isocyanate, a phenolformaldehyde resin, a glycol, a polyol, a diamine, a polyamine, a hexamethoxymethylmelamine, a methylolacrylamide, or any combination thereof.

5. (Currently Amended) A durable, non-adhesive carboxylated latex product surface-treated with according to any one of claims 1 to 4, wherein the carboxylated latex is added with an internally added aluminum type inorganic crosslinking agent and is crosslinked therewith a carboxyl-group blocking agent comprising a compound selected from the group consisting of

glyoxals, polyamide compounds, polyamide polyurea compounds, polyamine polyurea compounds, polyamideamine polyurea compounds, polyamide polyurea glyoxal condensation reaction products, polyamideamine compounds, polyamideamine epihalohydrine condensation reaction products, polyamideamine formaldehyde condensation reaction products, polyamine epihalohydrine condensation reaction products, polyamine formaldehyde condensation reaction products, polyamine polyurea epihalohydrine condensation reaction products, polyamide polyurea formaldehyde condensation reaction products, polyamine polyurea epihalohydrine condensation reaction products, polyamine polyurea formaldehyde condensation reaction products, polyamideamine polyurea epihalohydrine condensation reaction products, polyamideamine polyurea formaldehyde condensation reaction products, and combinations thereof.

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6. (Currently Amended) A non-adhesive carboxylated latex product surface-treated with according to any one of claims 1 to 5, wherein the latex product is a dip product a carboxyl-group blocking agent comprising a compound selected from the group consisting of monofunctional amines, monofunctional epoxy compounds, monofunctional isocyanates, monofunctional blocked isocyanates, and combinations thereof.

7. (Currently Amended) A non-adhesive carboxylated latex surface-treated with a carboxyl-group blocking agent comprising product according to claim 6, wherein the dip product is a fingerstall, gloves, balloon or condom a non-adhesive sizing agent.

8. (Currently Amended) A non-adhesive carboxylated latex product surface-treated and internally treated with a carboxyl-group blocking agent according to any one of claims 1 to 7 wherein the carboxyl-group blocking agent is a metal element crosslinking agent having three or more valences comprising a non-adhesive surfactant and an internally added aluminum inorganic crosslinking agent.

9. (Currently Amended) A non-adhesive carboxylated latex product internally treated with a carboxyl-group blocking agent comprising an aluminum crosslinking agent and any one or more of a non-adhesive organic crosslinking agent, non-adhesive glyoxals, polyamide

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compounds, polyamide polyurea compounds, polyamine polyurea compounds, polyamideamine polyurea compounds, polyamide polyurea glyoxal condensation reaction products, polyamideamine compounds, polyamideamine epihalohydrine condensation reaction products, polyamideamine formaldehyde condensation reaction products, polyamine epihalohydrine condensation reaction products, polyamine formaldehyde condensation reaction products, polyamine polyurea epihalohydrine condensation reaction products, polyamide polyurea formaldehyde condensation reaction products, polyamine polyurea epihalohydrine condensation reaction products, polyamine polyurea formaldehyde condensation reaction products, polyamideamine polyurea epihalohydrine condensation reaction products, polyamideamine polyurea formaldehyde condensation reaction products, non-adhesive monofunctional amines, monofunctional epoxy compounds, monofunctional isocyanates, monofunctional blocked isocyanates, a non-adhesive sizing agent, or a non-adhesive surfactant according to claim 8,
~~wherein the metal element crosslinking agent having three or more valences includes at least one selected from aluminum, titanium or zirconium compounds.~~

10. (Currently Amended) A durable and non-adhesive carboxylated latex product according to any one of claims 1 to 79, wherein the carboxyl group blocking agent is an organic crosslinking agent for the carboxyl group of the carboxylated latex carboxylated latex is added with an internally added aluminum inorganic crosslinking agent and is crosslinked therewith.

11. (Currently Amended) ~~A~~The non-adhesive carboxylated latex product according to any one of claims 1 to 9 10, wherein the carboxylated latex comprises an acrylonitrile-butadiene rubber, a styrene-butadiene rubber, a chloroprene rubber or a methyl methacrylate-butadiene rubber ~~organic crosslinking agent for the carboxyl group includes at least one selected from aziridine compounds, epoxy compounds, blocked isocyanates, oxazoline compounds, carbodiimido compounds, melamineformaldehyde resins, ureaformaldehyde resins, isocyanates, phenolformaldehyde resins, glycols, polyols, diamines, polyamines, hexamethoxymethylmelamines and methylolacrylamides.~~

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12. (Currently Amended) ~~A~~The non-adhesive carboxylated latex product according to ~~any one of claims 1 to 9~~ 7, wherein the ~~carboxyl group blocking agent includes at least one selected from glyoxals, polyamide compounds, polyamide polyurea compounds, polyamine polyurea compounds, polyamideamine polyurea compounds, polyamide polyurea glyoxal condensation reaction products, polyamideamine compounds, polyamideamine epihalohydrine condensation reaction products, polyamideamine formaldehyde condensation reaction products, polyamine epihalohydrine condensation reaction products, polyamine formaldehyde condensation reaction products, polyamine polyurea epihalohydrine condensation reaction products, polyamide polyurea formaldehyde condensation reaction products, polyamine polyurea epihalohydrine condensation reaction products, polyamine polyurea formaldehyde condensation reaction products, polyamideamine polyurea epihalohydrine condensation reaction products, and polyamideamine polyurea formaldehyde condensation reaction products~~ latex product is a dipped product.

13. (Currently Amended) ~~A~~The non-adhesive carboxylated latex product according to ~~any one of claims 1 to 7~~ 12, wherein the ~~carboxyl group blocking agent includes at least one selected from monofunctional amines, monofunctional epoxy compounds, monofunctional isocyanates and monofunctional blocked isocyanates~~ dipped product is a fingerstall, a glove, a balloon, or a condom.

14. (Currently Amended) ~~A~~The non-adhesive carboxylated latex product according to ~~any one of claims 1 to 7~~ claim 13, wherein the ~~carboxyl group blocking agent is a sizing agent~~ fingerstall has a shape that is mechanically wound from the mouth.

15. (Currently Amended) ~~A~~The non-adhesive carboxylated latex product according to claim 13 or claim 14 ~~any one of claims 1 to 7~~, wherein the fingerstall has a rolled lip ~~carboxyl group blocking agent is a non-adhesive surfactant.~~

Claims 16-21. (Withdrawn)

Claims 22-23. (Cancelled)

Claims 24-25. (Withdrawn)

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